

United States Department of Agriculture  
Animal and Plant Health Inspection Service  
4700 River Road  
Riverdale, MD 20737

**Permit to Move Live Plant Pests, Noxious Weeds, and Soil**  
Interstate Movement  
**Regulated by 7 CFR 330**

This permit was generated electronically via the ePermits system

<b>PERMITTEE NAME:</b>	Dr. Kent Daane	<b>PERMIT NUMBER:</b>	P526P-18-00085
<b>ORGANIZATION:</b>	University of California	<b>APPLICATION NUMBER:</b>	P526-171121-005
<b>ADDRESS:</b>	137 Mulford Hall Dept. ESPM, University of California Berkeley, CA 94720-3114	<b>FACILITY NUMBER:</b>	N/A
<b>MAILING ADDRESS:</b>	137 Mulford Hall Dept. ESPM, University of California Berkeley, CA 94720-3114	<b>HAND CARRY:</b>	No
<b>PHONE:</b>	559-284-5931	<b>DATE ISSUED:</b>	01/08/2018
<b>FAX:</b>	559-646-6593	<b>EXPIRES:</b>	<b>01/08/2021</b>
<b>DESTINATION:</b>	University of California Insectary & Quarantine, 3401 Watkins Drive, Riverside, CA 92521-0314		
<b>RELEASE:</b>	University of California Insectary & Quarantine, 3401 Watkins Drive, Riverside, CA 92521-0314		

Under the conditions specified, this permit authorizes the following:

**Article Category:** BioControl Organisms - Parasites/Predators of Invertebrates

<u>Regulated Article</u>	<u>Life Stage(s)</u>	<u>Intended Use</u>	<u>Shipment Origins</u>	<u>Originally Collected</u>	<u>Culture Designation</u>
Anagyrus kamali	Adult, Pupae	Release - Biocontrol	PR	Originally Collected from Puerto Rico or U.S. Virgin Islands	beneficial insect
Gyranoidea indica	Adult, Pupae	Release - Biocontrol	PR	Originally Collected from Puerto Rico or U.S. Virgin Islands	beneficial insect

**PERMIT GUIDANCE**

Receipt or use of foreign isolates or samples from countries under sanctions requires specific permission from the U.S. Department of Treasury (see <http://www.treasury.gov/resource-center/sanctions/Programs/Pages/Programs.aspx>) for current country listings.

This permit does not authorize importation, interstate movement, possession, and/or use of strains of genetically engineered regulated organisms (created by the use of recombinant DNA technology).

If an animal pathogen is identified in your shipment, to ensure appropriate safeguarding, please refer to

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THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE FOLLOWING  
PPQ HEADQUARTER OFFICIAL VIA EPERMITS.

**Robert Pfannenstiel**

DATE

**01/08/2018**

WARNING: Any alteration, forgery or unauthorized use of this Federal Form is subject to civil penalties of up to \$250,000 (7 U.S.C.s 7734(b)) or punishable by a fine of not more than \$10,000, or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001)

[http://www.aphis.usda.gov/import\\_export/animals/animal\\_import/animal\\_imports\\_anproducts.shtml](http://www.aphis.usda.gov/import_export/animals/animal_import/animal_imports_anproducts.shtml)

This permit does not fulfill the requirements of other federal or state regulatory authorities. As appropriate, please contact the U.S. Environmental Protection Agency, the U.S. Fish and Wildlife Service, the U.S. Food and Drug Administration, the Centers for Disease Control and Prevention, the APHIS Veterinary Services unit, or your State's Department of Agriculture to ensure proper permitting.

If you are considering renewal of this permit, an application should be submitted at least 90 days prior to the expiration date of this permit to ensure continued coverage. Permits requiring containment facilities may take longer to process.

## PERMIT CONDITIONS

### AUTHORIZATIONS

This permit authorizes the interstate movement of *Anagyrus kamali* and *Gyranusoidea indica*, parasites of the pink hibiscus mealybug from Puerto Rico by the Permit holder, Dr. Kent Daane, University of California, Berkeley, to Thomas Perring, University of California Insectary and Quarantine Lab, 3401 Watkins Drive, Riverside, CA 92521, to be received into the facilities at that address, and further authorizes the release of *Anagyrus kamali* and *Gyranusoidea indica* into the environment in the State of California, subject to the additional conditions below.

### ADDITIONAL CONDITIONS

#### 1. AUTHORIZATIONS

This permit authorizes the interstate movement of *Anagyrus kamali* and *Gyranusoidea indica*, parasites of the pink hibiscus mealybug from Puerto Rico by the Permit holder, Dr. Kent Daane, University of California, Berkeley, to Thomas Perring, University of California Insectary and Quarantine Lab, 3401 Watkins Drive, Riverside, CA 92521, to be received into the facilities at that address, and further authorizes the release of *Anagyrus kamali* and *Gyranusoidea indica* into the environment in the State of California, subject to the additional conditions below.

All individuals of *Anagyrus kamali* and *Gyranusoidea indica* utilized for interstate movement and release must be obtained as lab-reared insects directly from the domestic colonies in Puerto Rico.

Interstate movement of organisms that were reared or produced at a location outside the continental United States is not authorized.

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The interstate movement of field collected organisms is not authorized.

2. The permit holder must:

- (a) comply with all requirements and permit conditions;
- (b) maintain a valid permit so long as the regulated organisms are received, handled and released;
- (c) take appropriate precautions to release regulated organisms only at intended release sites;
- (d) maintain a residence in the United States
- (e) not assign or transfer this permit to other persons;
- (f) contain and destroy any/all regulated organisms not authorized under this permit but which are received in error, and;
- (g) notify the permit unit of such receipt of unauthorized organisms;
- (h) maintain an official permanent work assignment or affiliation reference the destination address on this permit;
- (i) notify the permit unit in advance of any change in the permit holder's work assignment or affiliation;
- (j) destroy or release all remaining live permitted organisms prior to departure or permit expiry unless other arrangements are confirmed by the permit unit prior to the permit holder's departure .

Notifications to the permit unit must be made via 866-524-5421 or [pest.permits@aphis.usda.gov](mailto:pest.permits@aphis.usda.gov) within one business day of the event triggering a notification.

- 3. Without prior notice and during reasonable hours, authorized PPQ and/or State regulatory officials shall be allowed to inspect the conditions associated with the regulated organisms authorized under this permit.
- 4. The permit holder verifies United States residency by initialing and accepting these permit conditions. If you are not a United States resident, it is unlawful for you to initial or accept these permit conditions because a USDA 526 Plant Pest Permit can only be issued to United States residents.
- 5. All packages for transport must minimally consist of both inner (primary) and outer (secondary) packages securely sealed and escape-proof so that both are effective barriers to escape. More than one inner container may be placed in the secondary container. The inner package(s) shall contain all organisms and must be cushioned and sealed in such a way that they remain sealed during the shock, impact and pressure changes that may occur during transit. The outer shipping container must be rigid and strong enough to withstand typical commercial shipping conditions (dropping, stacking, impact from other freight, etc.) without opening.

Place a copy of this permit with all shipments

- 6. This permit does not authorize interstate movement of containers of the Regulated Article(s) that contain plant parts, soil, live stages of the host pink hibiscus mealybug, *Maconellicoccus hirsutus*, or any other organisms, debris and other extraneous items (= "contaminants"). The permit holder shall instruct that a reasonable effort must be made to remove all such material and contaminants prior to interstate transport.

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7. Upon receipt of packages containing the regulated articles, the permit holder or those he designates, shall open the container in a secure enclosed (contained) section of the facilities at the University of California Insectary and Quarantine Lab, 3401 Watkins Drive, Riverside, CA and verify the purity and identity of the shipped material prior to use for field releases. Verification shall be accomplished by person or persons sufficiently familiar with these species or the taxonomic group to make a reasonable and effective verification prior to release in the environment.

Interstate movement of parasitized stages of the host, pink hibiscus mealybug, *Maconellicoccus hirsutus* are authorized under this permit, but live, unparasitized life stages of *Maconellicoccus hirsutus* are not authorized, and must be screened and removed from received material, along with any plant parts and other biological material (besides the regulated articles) if any that are in the shipment. All such unauthorized material shall be devitalized in an autoclave, or using other effective means according to Standard Operating Procedures for the University of California Insectary and Quarantine Lab, 3401 Watkins Drive, Riverside, CA.

8. The permit holder shall document and retain records of all releases, and make them available to USDA APHIS upon request.
9. Any interstate distribution of these organisms, and any organisms produced (reared) from individuals received under this permit, requires an additional separate authorization (a PPQ526 Permit) from USDA APHIS.

#### END OF PERMIT CONDITIONS

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